

Applicant: Troudt
Serial No.: 10/635,953
Filed: 08/07/2003
Title: EXTENSION POLE WITH SWIVEL SPRAY NOZZLE
Examiner: Hogan, James Dean
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IN THE SPECIFICATION

1. Kindly amend the paragraph beginning on page 6, line 15, as follows:

The portable remote swivel nozzle assembly 10 of the present invention incorporates adjustable orientation of a spray tip 11 for spraying pressurized fluids apart from an operator. It comprises an extension pole 12 through which fluid can pass and a swivel nozzle 13 that includes a swivel nozzle head 30. The pole 12 is tubular with a pole passageway 14 therethrough as a fluid conduit between a pole connector 15 on the pole proximal end 16 and the nozzle connector 17 on the pole distal end 18. A rod 19 connects an actuator 20 to the swivel nozzle head 30 to communicate movement of the actuator 20 to the head 30 in adjusting orientation of the head 30 relative to the pole 12. Preferably the actuator 20 comprises a hand grip 21 slidable on the extension pole 12 near the pole proximal end 16, the hand grip further comprising a grip portion 9 adapted to receive a user's hand, the pole 12 slideably passing through the grip portion 9. Necessarily, the hand grip rearward, that is toward the pole proximal end, of a connection of the rod to the hand grip is without an obstruction extending therefrom that might impede said operator's hand from grasping the hand grip around the grip

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portion. Sliding of the hand grip 21 on the pole then changes orientation of the head 30 in a range of up to approximately 180 degrees relative to the pole 12. The hand grip 21 also serves as a pole hold position that an operator uses to brace the pole 12 with a first hand while the operator's other hand operates a fluid-regulating trigger 22 on the pole proximal end operationally connected to regulate flow of pressurized fluid through the pole 12 to the nozzle connector 17. Typically, a spray gun 100 with a trigger 22 is attached to the extension pole proximal end 16. The trigger 22 then comprises a spray gun trigger 22' that regulates flow from the spray gun 100 into the extension pole 12 and therefore through the swivel nozzle 13 to the spray tip 11.

2. Kindly amend the paragraph beginning on page 7, line 10, as follows:

Though the sliding hand grip 21 is the preferred embodiment, any other mechanism on the pole 12 that serves to adjust the head orientation is deemed equivalent and included in the invention. For example, as a first alternative embodiment, a pivoting pole arm 23 mounted at a fixed position on the pole 12 and connected to the head 30 through the rod 19 also suffices to change orientation of the head 30 relative to the pole 12. The pole arm 23 doubles as a handle for an

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operator's hand as the operator's other hand is on the pole proximal end. As a second alternative embodiment, a pole arm as a handle grip 23' also mounted at a fixed position on the pole 12 rotates on an axis transverse to the pole in the manner of a motorcycle handle grip and also mechanically connects to the head 30 through the rod 19 such that rotation of the handle grip 23' causes the head to rotate. In this embodiment, the rod 19 pivotably connects to a lug 80 at a lug distal end 81 spaced apart from the axis with a lug proximal end 82 affixed to the hand grip 21 such that as the hand grip 21 rotates on its axis, the lug 80 also rotates with a rod end 83 pivoting in the lug distal end 81 as the lug distal end 81 moves forward toward the pole distal end 18 or rearward toward the pole proximal end 16.